

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/009351

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01J19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B01J B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95/11755 A (BEATTIE KENNETH L ;HOUSTON ADVANCED RES CENTER (US)) 4 May 1995 (1995-05-04) abstract page 7, line 23 - page 9, line 20 page 14, line 6 - page 15, line 19 page 17, line 15 - line 28 page 19, line 15 - page 20, line 7; claims; figures -----	1,2,5-24
X	WO 01/87484 A (MILLIPORE CORP) 22 November 2001 (2001-11-22) abstract page 1, paragraph 1 page 5, last paragraph - page 9, paragraph 5; figures -----	1,2,6, 9-24
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

13 December 2004

Date of mailing of the international search report

21/12/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/034026 A (BIOCEPT INC ; HAHN SOONKAP (US); ROYCROFT PAT (US); TSINBERG PAVEL) 24 April 2003 (2003-04-24) abstract page 2, line 34 - page 4, line 6 page 5, line 8 - page 6, line 25; claims; figures -----	1,2,5-24
X	WO 03/052420 A (HRYCZYNA CHRISTINE A ; LEE GIL U (US); SZLEIFER IGAL (US); BASARAN OSMA) 26 June 2003 (2003-06-26) abstract page 2, line 10 - line 19 page 8, line 22 - page 9, line 22 page 17, line 15 - page 20, line 30; figure 5 -----	1,2,5-24
A	US 6 225 131 B1 (MARIA KREUWEL HERMANUS JOHANNE ET AL) 1 May 2001 (2001-05-01) abstract column 2, line 30 - column 7, line 30 -----	
A	EP 1 251 352 A (NISSHIN SPINNING) 23 October 2002 (2002-10-23) abstract page 2, line 42 - page 8, line 20; figures -----	
E	WO 2004/089532 A (PLACHOV DIMITRIJ ; GAVRUSHKIN ALEXANDER (RU)) 21 October 2004 (2004-10-21) page 3, line 12 - page 4, line 5 page 7, line 31 - page 8, line 24; figure 2 -----	1,2,5-24
X	WO 01/19502 A (FOLEY BRIAN ; MILLIPORE CORP (US)) 22 March 2001 (2001-03-22) abstract page 4, line 7 - page 6, line 23 page 8, line 1 - page 9, line 22; figures -----	3-24
X	US 5 980 709 A (BECK THOMAS WILLIAM ET AL) 9 November 1999 (1999-11-09) abstract column 2, line 10 - column 3, line 2 column 3, line 31 - column 4, line 20; figures -----	3-24
A	US 2003/113528 A1 (MOYA WILSON) 19 June 2003 (2003-06-19) paragraph '0009! - paragraph '0019! paragraph '0032! - paragraph '0037! paragraph '0041! paragraph '0059!; figures; examples -----	
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/12846 A (PAMGENE B V ; VENEMA F (NL)) 22 February 2001 (2001-02-22) the whole document -----	
A	US 5 639 603 A (NEEDELS MICHAEL C ET AL) 17 June 1997 (1997-06-17) column 42, line 11 - column 44, line 53 example 1 -----	
A	KHAN J ET AL: "EXPRESSION PROFILING IN CANCER USING cDNA MICROARRAYS" ELECTROPHORESIS, WEINHEIM, DE, vol. 20, no. 2, February 1999 (1999-02), pages 223-229, XP008002229 ISSN: 0173-0835 figures -----	

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 2, 5-10 (all in part), 11-13, 14-17 (all in part), 18, 19-24 (all in part)

Independent claim 1 relate to systems comprising a porous reaction substrate having a flat top and bottom surface in which the diameter of the pores is comprised between 10 micron and 10 nm and further comprising a first rigid support member bonded to the porous layer. This latter component comprises holes extending through the whole layer.

2. claims: 3, 4, 5-10(all in part), 11-13, 14-17 (all in part), 18,19-24 (all in part)

Independent claims 3 and relate to systems comprising a porous reaction substrate having a flat top and bottom surface in which the diameter of the pores is comprised between 10 micron and 10 nm. Some of the pores of the substrate are masked by filling them with a masking polymer so as to form borders of the reactor zones.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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